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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/579,792	05/18/2006	Fabrizio Lori	LORI3002	3981
23364 7590 12/18/2008 BACON & THOMAS, PLLC 625 SLATERS LANE FOURTH FLOOR ALEXANDRIA, VA 22314-1176			EXAMINER HUDA, SAEED M	
			ART UNIT 1791	PAPER NUMBER
			MAIL DATE 12/18/2008	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/579,792	LORI ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	SAEED M. HUDA	1791	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 01/29/2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 18-29 is/are pending in the application.
- 4a) Of the above claim(s) 28-29 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 18-27 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05/18/2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>05/18/2006</u> .  | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

***Election/Restrictions***

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

- Group I, claim(s) 18-27, drawn to a process for preparing a breathable, elastic polyolefin film.
- Group II, claim(s) 28, drawn to an apparatus for producing a breathable, elastic polyolefin film.
- Group III, claim(s) 29, drawn to a breathable, elastic polyolefin film.

2. The inventions listed as Groups I-III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The technical feature common to Groups I-III is the invention related to a breathable, elastic polyolefin film

EP-B1-1 226 013 teach a process for making a breathable polyolefin films by transversely and/or longitudinally stretching a polyolefin film.

Accordingly, the special technical feature linking the three inventions does not provide a contribution over the prior art, and no single general inventive concept exists. Therefore, restriction is appropriate.

3. During a telephone conversation with Attorney George Loud on 12/03/2008 a provisional election was made with traverse to prosecute the invention of group I, claim 18-27. Affirmation of this election must be made by applicant in replying to this Office

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action. Claims 28 and 29 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

***Claim Objections***

4. Claims 19-27 are objected to because of the following informalities: Claim 19, line 6, "oint" should be changed to --point--. Claim dependency for claim 20 is incorrect. Claim 20 is currently dependent on claim 1 which is a cancelled claim. For examination purposes claim 20 has been treated as if it depends upon claim 19.

Appropriate correction is required.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claim 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over applicant's admitted prior art (APA) in view of Brady et al. (US 6258308 B1) further in view of Bortoletto (WO 01/32394 A1).

APA teaches that a polyolefin film to be stretched is obtained from a process which includes the steps of: producing a tubular element by blow extrusion molding, squeezing the tubular element to obtain two superimposed layers, heating the two superimposed layers to the softening point, pressing the two layers together to strongly joining them and cooling the film thus obtained ([0001]-[0005]). And the film is later formed by transversely and/or longitudinally stretching the polyolefin film. APA fails to

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teach that the blow extruded material is a mixture of styrenic thermoplastic elastomer and filler or that the flat film is cooled to a temperature of 8°C-30°C (page 4).

Brady et al. teach a process for forming a film comprises a polyolefin and a filler (column 3, lines 21-26) and said film has breathability (abstract and column 3, lines 60-66). Brady et al. goes on to teach that a second polymer composition may be styrenic block copolymer (column 3, lines 35-40) and said copolymer may be styrene-isoprene-styrene, styrene-butadiene-styrene, or styrene-ethylene-butylene-styrene (claim 8). It would have been obvious to one skilled in the art at the time of the invention to include a styrenic thermoplastic elastomer and use a filler in the invention of EP-B1-1 226 013 because both are known components used to form a breathable polyolefin film as exhibited by the teachings of Brady et al.

Bortoletto teaches a method for producing a polyolefinic transpiring film by means of flattening an extruded tubular in order to obtain a flat film and transversal and/or longitudinal stretching of the flat film (abstract). Bortoletto goes on to teach that subsequent to heating and forming that the film is cooled to a temperature between 8°C - 30°C. It would have been obvious to one skilled in the art at the time of the invent to use this cooling temperature in the invention of APA because such is an art recognized cooling temperature range for flat films as exemplified by the teachings of Bortoletto.

7. Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable applicant's admitted prior art (APA) in view of Brady et al. (US 6258308 B1) further in view of Bortoletto (WO 01/32394 A1) as applied to claim 19 above, and further in view of Sheth (US 4777073).

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The modified invention of EP-B1-1 226 013 fails to explicitly teach the claimed percentages. It is known in the film processing art that the percentage of filler and elastomer used will affect the mechanical properties of the film. Specifically, Sheth teaches a process for preparing a breathable film from polyolefin where the amount of filler added to the polyolefin affects its properties such as tear strength, water vapor transmission rate, and stretchability (column 2, lines 50-58). Absent evidence of unexpected results obtained from the claimed percentages used to make the film, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have selected a suitable mixture percentages to effectively optimize the mechanical properties of the film, the mixture percentages being a result effective variable routinely optimized by those of skill in the art. The optimization of a range or other variable within the claims that flows from the “normal desire of scientists or artisans to improve upon what is already generally known” is prima facie obvious. *In re Peterson*, 315 F.3d 1325, 1330 (Fed. Cir. 2003) (determining where in a disclosed set of percentage ranges the optimum combination of percentages lies is prima facie obvious). The discovery of an optimum value of a variable in a known process is usually obvious. *In re Aller*, 220 F.2d 454, 456 (C.C.P.A. 1955). See also *In re Boesch*, 617 F.2d 272, 276 (C.C.P.A. 1980) (“[D]iscovery of an optimum value of a result effective variable in a known process is ordinarily within the skill of the art.”). See also *In re Geisler*, 116 F.3d 1465, 1470 (Fed. Cir. 1997) (“[I]t is not inventive to discover the optimum or workable ranges by routine experimentation.” (quoting *Aller*, 220 F.2d at 456)); *In re Kulling*, 897 F.2d 1147, 1149 (Fed. Cir. 1990) (finding no clear error in Board of Patent Appeals and

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Interferences' conclusion that the amount of eluent to be used in a washing sequence was a matter of routine optimization known in the pertinent prior art and therefore obvious).

8. Claims 20 and 22-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over admitted prior art (APA) in view of Brady et al. (US 6258308 B1) and Bortoletto (WO 01/32394 A1) as applied to claim 19 above, and further in view of Kondo et al. (US 2003/0157338 A1).

a. Regarding claims 20 and 22-24, the modified invention of EP-B1-1 226 013 fails to explicitly teach that the step of using separating material or winding the film onto a roll; however, Kondo et al. teach that film material may be stored as a roll and a release film (separating material) may be included ([0065]). Kondo et al. teach that films are prepared from paper or cloth (fabric) and that said release film is attached to the product via adhesive ([0066]). It would naturally flow from the description of the release film ([0066]) that it is continuous. It would have been obvious to one skilled in the art at the time of the invention to roll the film of EP-B1-1 226 013 and to use a release film during rolling, as disclosed in Kondo et al. because rolling is a space saving method of storing film and using a release layer prevent the film from sticking to itself.

b. Regarding claim 25, the modified invention of EP-B1-1 226 013 makes no explicit disclosure that the coupling is performed without adhesive; however, it would have been obvious to one skilled in the art at the time of the invention to do so because adhesives attached release films may be difficult to remove from

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the product, as acknowledged in Kondo et al. ([0051]), which can lead to damage of the product during attempt at removal of the release layer.

2. Claims 26-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over admitted prior art (APA) in view of Brady et al. (US 6258308 B1), Bortoletto (WO 01/32394 A1), and Kondo et al. (US 2003/0157338 A1) as applied to claim 20 above, and further in view of Board Jr. (US 4006051).

The modified invention of over EP-B1-1 226 013 fails to teach the use of a separating material in the form of a powder. Board Jr. disclose a laminate liner (abstract) and teaches that bearing liners have been prepared employing a facing surface composed of low friction suspended or powdered polymeric particles in a resin binder (column 1, lines 51-55). It would have been obvious to one skilled in the art at the time of the invention to use the powdered polymeric particles as a separating material because this is an art recognized material used for this application as exemplified by the teaching of Board Jr. Additionally, the Examiner directs Applicant to powdered latex gloves where the powder acts as a separating material. Thus, discontinuous, powdered separating materials are not novel.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SAEED M. HUDA whose telephone number is (571)270-5514. The examiner can normally be reached on 8:00 - 5:30.



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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Griffin can be reached on (571) 272-1189. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Steven P. Griffin/  
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